

Notice of Allowability	Application No.	Applicant(s)	
	10/805,069	VERSCHUUR ET AL.	
	Examiner	Art Unit	
	Daniel A. Hess	2876	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3/2/06 interview with Applicant.
2. ☒ The allowed claim(s) is/are 1,4-22,142 and 143.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>3/2/2006</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

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DETAILED ACTION

This action is in response to Applicant's 12/19/2005 response, as well as to interviews conducted with Applicant's representative, Mr. Thomas Ryan, on 2/1/2006 and 2/2/2006.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Thomas Ryan, on 2/1/2006 and 2/2/2006.

Amendments to the Claims

Listing of Claims:

1. (currently amended) Print media with individualized signatures comprising;

a web divided into a succession of printable articles;

a plurality of conductivity patterns on the succession of printable articles; and,

the conductivity patterns differing between printable articles with a variability that is effectively random and detectable as signatures that differ from each other;

the conductivity patterns being at least partially formed on the web prior to dividing the web into the succession of printable articles and the differences between the conductivity patterns being formed by one or more in-line processes that are not repeated in registration with the succession of printable articles; and

the in-line processes including printing out of registration with the succession of printable articles.

2. (cancelled)

3. (cancelled)

4. (original) The media of claim 1 in which a portion of each of the conductivity patterns is formed as a reference pattern against which effectively random aspects of each of the conductivity patterns can be compared.

5. (original) The media of claim 1 in which each of the conductivity patterns includes conductivity characteristics that are free to vary over a continuum.

6. (original) The media of claim 1 in which the conductivity patterns are at least partially formed by a printable conductive medium that is applied in patterns.

7. (original) The media of claim 6 in which the conductivity patterns differ from the patterns of the conductive medium in accordance with other variables that affect conductivity characteristics within the patterns of the conductive medium.

8. (original) The media of claim 7 in which the other variables include variations within at least one of the conductive medium, the web, and interactions between the conductive medium and the web.

9. (original) The media of claim 6 in which the patterns of the conductive medium differ between printable articles in a manner that is effectively random.

10. (original) The media of claim 1 in which the conductivity patterns are formed at least in part by the application of a printable conductive medium to the web and are subject to variations in both distributions of the conductive medium over a surface of the web and distributions of conductivity within the surface distributions of the conductive medium.

11. (original) The media of claim 10 in which the conductivity patterns are further subject to variations in the distribution of the conductive medium with respect to a depth dimension of the web normal to the web surface.

12. (original) The media of claim 1 in which the conductivity patterns are formed at least in part by the application of a printable conductive medium to the web, and further comprising an intermediate layer supported by the web to which the conductive medium is applied.

13. (original) The media of claim 12 in which the intermediate layer is a coating on the web.

14. (original) The media of claim 12 in which the intermediate layer is an adhesive.

15. (original) The media of claim 12 in which the intermediate layer is subject to variation for varying of least one of a distribution of the conductive medium over a surface of the web, a distribution of conductivity within the surface distributions of the conductive medium, and a distribution of the conductive medium with respect to a depth dimension of the web normal to the web surface.

16. (original) The media of claim 1 in which the conductivity patterns are subject to further variation between the printable articles after being formed on the succession of the printable articles.

17. (original) The media of claim 16 in which the further variation involves the application of kinetic energy for redistributing conductive elements of the conductivity patterns.

18. (original) The media of claim 1 in which the web is made of a film, an adhesive layer is supported on the film, and the conductivity patterns are applied over the adhesive layer on the film.

19. (currently amended) Print media with individualized signatures comprising:

a web divided into a succession of printable articles;

a plurality of conductivity patterns on the succession of printable

articles;

the conductivity patterns differing between printable articles with a variability that is effectively random and detectable as signatures that differ from each other;

the web being made of a film, an adhesive layer is supported on the film, and the conductivity patterns being applied over the adhesive layer on the film; and

the film ~~[[is]]~~ being a magnetic film.

20. (currently amended) The media of claim 1 in which the web is a first of two webs, the first web ~~is divided into~~ containing a succession of first substrates, a second of the webs ~~is divided into~~ containing a succession of second substrates, and the first and second successions of substrates are laminated together to form the printable articles with the conductivity patterns located between the laminated substrates.

21. (original) The media of claim 20 in which the conductivity patterns include separate conductivity patterns on the first and second successions of substrates.

22. (original) The media of claim 21 in which the separate conductivity patterns overlap each other on the laminated substrates.

23. - 141. (cancelled)

142. (currently amended) Print media with individualized signatures comprising;

a web divided into a succession of printable articles;

a plurality of conductivity patterns on the succession of printable articles;

the conductivity patterns differing between printable articles with a variability that is effectively random and detectable as signatures that differ from each other.

the first web containing a succession of first substrates, a second of the webs containing a succession of second substrates, and the first and second successions of substrates are laminated together to form the printable articles with the conductivity patterns located between the laminated substrates; and

the first of two webs [[is]] being a magnetic film that is divided into the succession of first substrates.

143. (previously presented) The media of claim 142 in which the first substrates of magnetic film include front and back surfaces, the conductivity patterns being applied to the back surface of the first substrates of magnetic film, and the back surface of the first substrates of magnetic film being laminated to the second substrates.

Comments and Response to Arguments

Applicant's arguments filed 12/19/2005 have been fully considered but they were not persuasive with respect to claim 1. The Applicant, has however, agreed to amend claim 1 so as to overcome the rejections made by the Examiner.

Applicant's arguments, see pages 13 and 14 of response, filed 12/19/2005, with respect to claims 2 and 3 have been fully considered and are persuasive. The rejection under 35USC 112 of claims 2 and 3 has been withdrawn. This is noted because while these claims have been cancelled, their content has been incorporated into claim 1.

Also the rejection of claim 1 under 35 USC 112 is withdrawn because the term "effectively random" has been further clarified by the Examiner's amendment and is therefore no longer considered indefinite.

As for claim 5, the Applicant has, on page 14 of the 12/19/2005 response, clarified the term "free to vary over a continuum" to the Examiner's satisfaction. Similarly, as for claims 7 and 8, the Applicant has, on page 15 of the 12/19/2005 response, clarified the term "conductivity patterns differ from the patterns of the conductive medium" to the Examiner's satisfaction.

Other rejections under 35 USC 112 are similarly withdrawn following the Applicant's clarifications.

Allowable Subject Matter

Claims 1, 4-22, 142 and 143 are allowed.

The following is an Examiner's statement of reasons for allowance:

The prior art fails to teach or fairly suggest a system wherein there is a print media divided into a succession of printable articles each having a conductivity pattern thereon, with conductivity patterns being effectively random and is the result of differences in the printing of conductivity patterns produces by a printing process of printing the succession of articles in a way that is not repeated in registration with the succession of printable articles.

The Applicant has amended to overcome the Examiner's principal reasons for rejection of claim 1.

Regarding claim 1, the language

"patterns are formed by one or more in-line processes that are not repeated in registration with the succession of printable articles; and the in-line processes include printing out of registration with the succession of printable articles"

which has been added to the limitations of claim 1 serve to further define the meaning of "effectively random" and overcome the indefiniteness rejection that had been made, by showing how this "effective randomness" is produced.

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Also, the Applicant had noted in the specification that randomness could come from 'drifting of the web from side to side,' a definition that the Examiner objected to, since a certain amount of drifting from side to side can be expected in any web.

The Examiner believes including the above limitations in claim 1 overcome rejections on that basis, by reciting making the articles that in way that expressly uses a process of out of registration printing.

In the Examiner's view, this is clearly different and distinguished from a prior art process that uses in-registration printing, and which is subject to slight drifting. Even though the prior art printing may have slight errors, it would still be in registration printing. The difference would be reflected in the set-up of the printing mechanism, i.e. whether it is set up for in-registration or out-of-registration printing.

Regarding other claims, these claims are allowed for reasons that have already been made clear in the first action on the Instant case.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel A. Hess whose telephone number is (571) 272-2392. The examiner can normally be reached on 8:00 AM - 5:00 PM M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee can be reached on (571) 272-2398. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



DH

3/3/2006

**DANIEL A. HESS
PRIMARY EXAMINER**

